

WHAT IS CLAIMED IS:

- 1 1. A transceiver comprising:
 - 2 (a) a medium access controller;
 - 3 (b) a first set of control logic in the medium access controller for configuring the
 - 4 transceiver for communicating over two or more wireless carriers with a network routing
 - 5 center; (C)
6 (b) a second control logic in the medium access controller for monitoring each of the
 - 7 two or more wireless carriers for a service characteristic; and
8 (D) a third control logic in the medium access controller further for selecting, based on
 - 9 the monitored service characteristic, one of the two or more wireless carriers that the first
 - 10 control logic configures the transceiver to use to communicate with the network routing
 - 11 center.
- 1 2. The transceiver of claim 1, wherein each of the first, second, and third control
- 2 logic is selected from the group consisting of: hardware based control logic, software based
- 3 control logic and combination hardware-software based control logic.
- 1 3. The transceiver of claim 1, wherein the service characteristic comprises a
- 2 quality of service characteristic for the wireless carrier.
- 1 4. The transceiver of claim 3, wherein the quality of service characteristic
- 2 comprises a bit error rate for the respective wireless carrier.
- 1 5. The transceiver of claim 3, wherein the quality of service characteristic
- 2 comprises a signal to noise ratio for the respective wireless carrier.
- 1 6. The transceiver of claim 3, wherein the quality of service characteristic
- 2 comprises a packet loss rate for the respective wireless carrier.
- 1 7. The transceiver of claim 3, wherein the quality of service characteristic
- 2 comprises path fade for the respective wireless carrier.

1 68. The method of claim 64, comprising identifying the respective mobile
2 communicator that transmitted the message using a communicator identifier included in the
3 message.

1 69. The method of claim 64, wherein the message comprises a message type.

1 70. The method of claim 69, comprising composing a transmission path for the
2 message according to the message type.

1 71. The method of claim 70, wherein each message type is selected from the
2 group consisting of: peer-to-peer, peer-to-client host and hybrid peer-to-peer/peer-to-client
3 host.

1 72. The method of claim 64, wherein each message comprises a message
2 destination.

1 73. The method of claim 72, comprising composing a transmission path for the
2 message according to its message destination.

1 74. In a network routing center, a method for communicating, comprising:
2 (a) communicating with one or more mobile communicators using two or more
3 transceivers, each transceiver using a different wireless carrier; and
4 (b) storing one or more carrier indicators, each carrier indicator indicating a current
5 one of the different wireless carriers being used by one said mobile communicators;
6 (c) selecting one of the two or more transceivers for transmitting a message to one of
7 said mobile communicators, the step of selecting performed based on the respective indicator
8 for the one mobile communicator.

1 75. The method of claim 72, wherein the message comprises a message
2 destination indicating the one of said mobile communicators the message is for transmitting
3 to.

1 76. A transceiver, comprising:
2 (a) a means for configuring the transceiver for communicating over two or more